

Listing of Claims:

- 1 1. (Currently amended) A sectional door movable between a closed vertical
2 position and an open horizontal position comprising, a plurality of panels
3 having a front facer and a rear surface, first and second joints spaced and
4 joined by said front facer and integrally interconnecting said front facer and
5 said rear surface, said first and second ~~joint members~~ joints being hinged to
6 permit pivotal movement between adjacent of said panels and being matingly
7 engaged in the closed vertical position, said first joint having primarily
8 substantially planar surfaces oriented substantially perpendicular to said front
9 facer and said second joint ~~member~~ being a substantially curvilinear surface,
10 whereby a strong pinch resistant construction of said door is provided.
- 1 2. (Original) The sectional door of claim 1, wherein said first joint has a raised
2 portion located intermediate said front facer and said rear surface of said
3 panels, said raised portion contacting said second joint to bear a portion of the
4 weight of an adjacent one of said panels.
- 1 3. (Original) The sectional door of claim 2, wherein said raised portion
2 tangentially contacts said surface of said second joint when said door is in the
3 closed vertical position.
- 1 4. (Original) The sectional door of claim 1 , wherein said second joint has a
2 projecting nose which is spaced no more than .2 inch from said first joint
3 during movement between the closed vertical position and the open horizontal
4 position.
- 1 5. (Currently amended) The sectional door of claim 1, wherein said surface of
2 said second joint is a generally concave surface receiving said first joint.

- 1 6. (Original) The sectional door of claim 1, wherein said second joint is
2 substantially an arc of a circle.
- 1 7. (Original) The sectional door of claim 1 further comprising, a downwardly
2 extending nose joining said front facer of the door to said second joint, and
3 wherein said first joint defines an offset portion near said front facer of said
4 panels adapted to receive said nose when said door is in the closed vertical
5 position.
- 1 8. (Original) The sectional door of claim 7 further comprising, a heel portion
2 formed on said second joint near said rear surface of said panels, and a
3 recessed offset formed on said first joint defining a clearance between said first
4 and second joints near said rear of said panels.
- 1 9. (Original) The sectional door of claim 1, wherein said first joint is integrally
2 formed on a top surface of said panels and said second joint is integrally
3 formed on a bottom surface of said panels.
- 1 10. (Canceled)
- 1 11. (Original) The sectional door of claim 10, wherein said roller carriers are
2 constructed of a plastic material.
- 1 12. (Original) The sectional door of claim 10 further comprising, a hinge receiver
2 formed on said roller carriers, and a hinge having a first end pivotably received
3 within said hinge receiver and a second end attached to an adjacent one of said
4 panels, whereby said hinge pivotally connects adjacent of said panels.
- 1 13. (Currently amended) The sectional door of claim 12, wherein said hinge
2 receiver includes an arcuate slot and said first end of said hinge is arcuate such

3 that said first end of said hinge travels within said arcuate slot during pivotal
4 movement of said hinge.

1 14. (New) The sectional door of claim 1, wherein said second joint member has
2 a large radius curved surface.

1 15. (New) A sectional door movable between a closed vertical position and an
2 open horizontal position comprising, a plurality of adjacent panels having a
3 facer integrally forming a front surface, first and second joint surfaces
4 extending rearwardly of said front surface, and rear surfaces extending from
5 said joint members and substantially paralleling said front surfaces, hinges
6 connecting adjacent panels for articulation when moving between the open
7 horizontal position and the closed vertical position with said first joint member
8 of one of said panels in mating engagement with said second joint member of
9 an adjacent of said panels, said first joint member having primarily
10 substantially planar surfaces oriented substantially perpendicular to said front
11 surface, and said second joint member having a substantially curvilinear
12 surface, whereby said panels provide a strong pinch resistant construction.

1 16. (New) The sectional door of claim 15, wherein said second joint member is
 substantially an arc of a circle.

1 17. (New) The sectional door of claim 16, wherein said arc has a large radius.

1 18. (New) The sectional door of claim 15, wherein the junctures of said second
2 joint member with said front surface and said rear surface lie on a line
 substantially perpendicular to said front surface.

1 19. (New) The sectional door of claim 15, wherein said first joint member has a
2 raised planar surface located substantially intermediate said front surface and

3 said rear surfaces and contacts said second joint, said first joint member having
4 a plurality of planar tiers between said front surface and said raised planar
5 surface.

1 20. (New) The sectional door of claim 15, wherein said panels have stiles
2 mounting said hinges and extending between said front surface and said rear
 surfaces.

1 21. (New) The sectional door of claim 20, wherein said stiles include end stiles and
2 at least one center stile, said end stiles receiving and supporting rollers.